## INTERNATIONAL SEARCH REPORT

In national Application No PCT/US2005/002032

A. CLASSIFICATION OF SUBJECT MATTER INV. C23C2/06 C23C2/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of th	te relevant passages	Relevant to claim No.		
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 198 (C-502), 8 June 1988 (1988-06-08) -& JP 63 000447 A (SEIKO INSTRELECTRONICS LTD), 5 January 1988 (1988-01-05)	₹ &	1-3,7,8		
Υ	abstract; figure 2	•	9-13,15		
X	US 2001/051225 A1 (VAN 001J W)	[M J ET AL)	10,11		
Y	13 December 2001 (2001-12-13) page 4, paragraphs 44,51; claim 1,5,14,15,17,18,23; examples	ims 1,4	3-5,9-15		
X Y	EP 1 209 245 A (GALVAPOWER GRO 29 May 2002 (2002-05-29) claims 12-24	OUP N.V)	3,4		
X Furti	her documents are listed in the continuation of box C.	Z Patent family members are listed	in annex.		
"A" docume consider earlier of filing of which citation other	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but han the priority date claimed	"T" later document published after the int or priority date and not in conflict with cited to understand the principle or the invention.  "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the description of particular relevance; the cannot be considered to involve an indocument is combined with one or ments, such combination being obvious in the art.  "&" document member of the same patent.	claimed invention of be considered to ocument is taken alone claimed invention claimed invention oventive step when the lore other such docupus to a person skilled		
Date of the actual completion of the international search  19 July 2005			Date of mailing of the International search report  20.05.05		
Name and	mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer Teppo, K-M			

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